

## **The Alaska Climate Science Center**

### ***Summary of FY11 Activities***

#### **FY 2011 Project Funding**

- Alaska Integrated Ecosystem Model-IEM: Various UAF PIs and Dave McGuire (USGS-COOP) \$535,000. Supplemented by \$200,000 from the Arctic and Western Alaska LCCs (total of \$735,000).
- Ecology, Soil Carbon, and Permafrost Experiments (ECOSCAPE): Mark Waldrop (USGS) \$200,000 (supporting the Alaska IEM project).
- Assessing the Sensitivity of Alaska's Coastal Rainforest Ecosystem to Changes in Glacier Runoff: Shad O'Neel (USGS Alaska Science Center) \$100,000.
- Detection of Climate-linked distributional shifts of breeding water birds across North America: Joel Schmutz (USGS Alaska Science Center) \$ 268,000.
- Integrating Studies of Glacier Dynamics and Estuarine Chemistry in the context of ANWR Landscape Change: Matt Nolan (UAF-CESU) \$100,000. Supplemented by \$45,000 from the Arctic LCC (total of \$145,000).

#### **Coordination Activities**

- Downscaling Workshop, April 2011
- Data management policy and data integration
- LCC Steering Committees
- Participation in National Climate Assessment

#### **FY 2011/12 Hires**

- Applied Downscaling post-doc at UAF-SNAP (Applications closed)
- Arctic Hydrology post-doc at UAF-IARC (Applications closed)
- Post doc for coordination of ongoing glacier research, Dr. Andrew Schroth (USGS)
- Research technician for glacier studies in SE Alaska (USGS AK Science Center)
- Applied Climate Scientist, USGS at CSC Anchorage (will be advertised soon)
- Social Scientist, NPS at CSC Anchorage (will be advertised soon)

#### **Student Support**

- Two undergrad research assistants
- MSc student: permafrost – peat interactions (UAF)
- MSc student: climate data issues (UAF)
- PhD student: hydrologic extremes (UAF)